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I C-----C-C-C-----C-----CC-----C-G-C

II G-G-C-----DC-G-CCA-----*C-P-----G-C-----*RC-C--GL-C

Fig. 1

phdkk - 3
pcdkk - 3
pmdkk - 2
phdkk - 2
pmdkk - 1
phdkk - 1
pRNdkk - 1

[illegible]

phdkk - 3
pcdkk - 3
pmdkk - 2
phdkk - 2
pmdkk - 1
phdkk - 1
pRNdkk - 1

192	TCAGCTACCCGCA	GGAGGAGG	CTCACCCCTCA	ATGAGATG	TTCCGCGAGG	TTGAGG	AACTGA
124	GCGGCGGGCG	GGAGCGGG	CCAGCCCTGG	CGGAGATG	CTGCGGGAGG	TTGAGG	CGCTGA
1	.....	TGCA	GGCA	ATGACA	AGGACTGG	TTCCGCGGCA	GTGAAGGGA
1	.....	.....	.....	.....	.....	.....	ATACGA
210	CTCTGCTGTCAG	TGTGGCGG	CCGGGAGTTCT	CTATGAGG	GGCGGGAGCA	AGTACC	AGACTC
199	GGCCGGGTCCAg	AGGGCGGG	GGTACCTGg	ACCTCTGGG	TGCCICAC	CTCTCCCCGA	ACCC
241	ACTACCCCTGTG	AGCGTCAGTCC	GGGACTCCCTA	TATGATAT	TGGCCACACA	AGTACC	ACCTC

phdkk - 3
pcdkk - 3
pmdkk - 2
phdkk - 2
pmdkk - 1
phdkk - 1
pRNdkk - 1

252	TGG	AGG	A	C	ACG	C	AGC	A	C	A	A	T	T	G	C	G	C	A	G	C	G	G	A	G	A	G	A	G	C	T	G				
184	TGG	AGG	A	C	ACG	C	AGC	A	C	A	A	G	C	T	G	C	G	C	A	A	G	C	T	G	A	G	A	G	A	G	A	G			
46	A	A	G	C	T	G	G	G	C	A	G	C	C	T	A	C	C	C	T	T	G	C	A	G	C	A	G	T	G	A	A	G	A		
7	C	T	C	A	C	T	A	G	G	G	A	A	T	T	G	G	C	C	T	C	G	A	G	C	C	A	A	G	A	T	T	C	C		
269	T	T	G	A	C	A	C	T	A	C	C	A	G	C	C	T	A	C	C	C	T	G	C	G	C	T	G	A	G	A	T	A	C	T	
258	C	T	T	C	C	C	A	. . .	C	A	G	C	C	G	T	A	C	C	C	G	T	G	C	G	C	A	G	A	G	A	T	G	A	C	T
301	T	G	G	A	T	G	C	C	T	A	C	C	C	G	C	T	A	C	A	G	T	T	G	C	A	C	G	A	A	G	A	T	G	A	T

Fig. 2-2



312	C T G C T A A A G C A T C A T C A G A A G T G A A C C T G G C A A A C T T A C C T C C A G C T A I C A C A A T G A G A	phdtk - 3
244	G G G C A A A A A A C T G T C A G A A G T A A A C T T T G A A A A C T T A C C T C C A C C T A C C A T A A T G A G T	pcdk - 3
106	G C C A C A G T C C C C A C C A A G G T T C A T C A G C C C T G C A T G C T C T G T A	pmdkk - 2
67	G C C A C A G T C C C C A C C A A G G A T C A T C G G C C C T G C A T G G T G T G T C	phdtk - 2
329	G C T C C A G C C C C A G C C G C G G G C A G C C G G C T C G G A G G T G T A C A G A T C T G T C T G G C T T G C C	pmdkk - 1
314	G C G C T A G T C C C A . C C C C G C G G A G G G A C C G C C G G C C G T G . . C A A A T C T G T C T C G C C T G C A	phdtk - 1
361	G T C A C A G T T C C A G A A A C G G C A A C T C T C T G G T T T G C T T G G C A T G C C	pRNdkk - 1

372	CCAA	CACAGAC	A	CGA	AGGT	TGG	AA	ATA	ATA	CCAT	CCAT	GTG	CA	CC	GAG	AA	ATT	CAC	AA	GG	phdck - 3
304	CCAA	CACAGAA	A	CCA	GA	AA	TTGG	TA	ATA	ACT	GT	TCAG	ACT	CA	TCA	AG	AA	TTG	AT	AA	pcdck - 3
148	GGAA	GGAA	AA	AA	CG	AT	TGCC	CAC	AGA	AT	GGG	AT	GTG	TT	TGCC	TT	ACCC	GG	CT	GG	pmdck - 2
100	GGAA	GGAA	AA	AA	AG	AA	AG	AG	AG	AT	GGC	AT	GTG	CT	TGCC	CT	AC	CC	GG	CT	pmdck - 2
389	GA	AG	CG	CA	AG	AA	AG	AG	AG	CG	CT	AT	GTG	CT	TGCC	CT	AC	CC	GG	AA	phdck - 1
371	GGAA	GGCC	CG	AA	AA	CG	CT	TGCC	AT	CG	CT	AT	GTG	CT	TGCC	CT	AC	CC	GG	AA	pmdck - 1
406	GGAA	AC	GC	CA	GA	AA	AG	CG	CT	TGCC	CT	AT	GTG	CT	TGCC	CT	AC	CC	GG	AA	pRNck - 1

[illegible]

Fig. 2-3



433
424 GTGGAGAAACAAAGAAATCATGAGGTTATCATTTGATGAAGACITGTGAACACAGGAAAGT
265 ATGGCAACCCGGCATAGAGATCGCAACCATGACCTGAGGATGGC
226 ATGGTACTCGGCACAGAGATCGAAACCAATGACCTGAGGATGGC
500 AGGAAAGCATCATTTGAACCTTTGGTAATGACCAACGCGCCGCGGGGATGGATATC
479 AGGAAACCATCATCTGAAAGGCTTTGGTAATGATCATAGCACCTTTGGATGGGTTAT
526 AAGAAACCATTTCTGGAATACCTATAATAATGCTGATGCTAAACAATGGATACTCAT

phdtk - 3
pcdtk - 3
pmdtk - 2
phdtk - 2
pmdtk - 1
phdtk - 1
pRNdtk - 1

433
484 ATTGCCAGTTCTCCACCTTTGAATACAAAGTGTCTAGCCCTGTAAACCCATGGCATACACACT
325 AGAATCTAGGAAGGCCACACACTCCAAAGATGCTCATATAAAGGATGATGAGGAGACCCAT
286 AGAATCTAGGAAGGCCACACACTCCAAAGATGCTCATATAAAGGATGATGAGGAGACCCAT
560 CCAAGAAAGCACTGACCTTTCAAAGATGATGCTCATATAAAGGATGATGAGGAGACCCAT
533 CCAAGAAAGCACTGACCTTTCAAAGATGATGCTCATATAAAGGATGATGAGGAGACCCAT
583 CCAATTAACCACTGACCTTTCAAAGATGATGCTCATATAAAGGATGATGAGGAGACCCAT

phdtk - 3
pcdtk - 3
pmdtk - 2
phdtk - 2
pmdtk - 1
phdtk - 1
pRNdtk - 1

433
544 GCTCAACGAGATGTGAAATGCTGCGGAGAACCAAGCTTTGTGTTTGGGTTGAGGAAAG
385 GCCTACGGTTCATCAGACTGCAITGATGGTATTGTTGTGCTTCGCACTTCCTGGACCAAAAG
346 GCCTACGGTTCATCAGACTGCAITGATGGTATTGTTGTGCTTCGCACTTCCTGGACCAAAAG
620 GCCTACGGTTCATCAGACTGCAITGATGGTATTGTTGTGCTTCGCACTTCCTGGACCAAAAG
593 GCTACGGTTCATCAGACTGCAITGATGGTATTGTTGTGCTTCGCACTTCCTGGACCAAAAG
643 GCCTACGGTTCATCAGACTGCAITGATGGTATTGTTGTGCTTCGCACTTCCTGGACCAAAAG

phdtk - 3
pcdtk - 3
pmdtk - 2
phdtk - 2
pmdtk - 1
phdtk - 1
pRNdtk - 1

Fig. 2-4



433
604
445
406
680
653
703

phdkk-3
pcdkk-3
pmdkk-2
phdkk-2
pmdkk-1
phdkk-1
pRNdkk-1

433
663
505
466
740
713
763

phdkk-3
pcdkk-3
pmdkk-2
phdkk-2
pmdkk-1
phdkk-1
pRNdkk-1

433
723
565
526
800
773
823

phdkk-3
pcdkk-3
pmdkk-2
phdkk-2
pmdkk-1
phdkk-1
pRNdkk-1

Fig. 2-5



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phdkk-3
pcdkk-3
pmdkk-2
phdkk-2
pmdkk-1
phdkk-1
pRNdkk-1

433
783 CCTGATGGAGTACTAGAGCGCTGGCCCATGTGCAAGTGGCTTGATCTGGCCAAACCTCAGAGC
619 AAACACTG.GAAGAGTCACTAGCAGACTGTGAATTTGTGTAATTAATGCAATTAAGC
580 CACCAATTGAGGAACAATCAATGCAAGACTGTGAAGTTGTGTAATTAATGCAATTAAGC
856 ...ACCGACAGIC..TAAATATGATGGACTCTTTTATCTAAATAATGCTACGAAATC
829
883 CGAGGCTTACAGAG..CCTGAAGGACCTTCTCTAAATTAAGCTAAATTAAGACTTTGGTAC

phdkk-3
pcdkk-3
pmdkk-2
phdkk-2
pmdkk-1
phdkk-1
pRNdkk-1

433
843 AGCCACACAGTACTACATCTGTGTGTGTGAACTGTCCCTCCAAATGAACCCAGGAAACACGAA
678 ATGATGGAAACCTGTGATTTGGAAATGCGGAAGAAATGAGGATGTGGTAAGAAATGTGGAG
640 ATGGTGGAAATAAGGTTTCAGATGCAAGAAAGAAAT...GGCTAAATTAAGAAACGTTGA
910 CTTTATGATTTGTGAGCTTCAATCCCAAGGATGTAGGAAATCTTCAGTGTGTAATTAAGCAT
829
941 CTGCAATGTTATTTTCTCAGTTTACATGAAAGTGTCTGTCTTCCCTGAACCCGGAAGCTG

phdkk-3
pcdkk-3
pmdkk-2
phdkk-2
pmdkk-1
phdkk-1
pRNdkk-1

433
903 GAAGATCCCTTGAAACATGGATGAGATGCCCATTTAICAGTTTAATACCCAGAGATATCTT
738 AAGAGGGCAGGACTGAATCAAGTAGAGTCGACACCAACCAAGTACTACCAAGTGTCTCCG
697 AATATAGATGATCACAATAAATAAATAAAGATGCGGCCCAAGCTTATCTCCCTTTA
970 TCCGACAAATACTTTCCAAAGCTCTGGAGTGTAGGACTTTGTCTTGTATGGAACTCCC
829
1001 CGCAACTTGTCTTTTGTGAGGAACCTTCCCTAATTAAATGCCIAATTAACAGTAAATTA

Fig. 2-6



433
963 TCTGATTACGAAGCAAGCGTCATTCAGGAAGTGCGTAAGAATTAGAAAGCCTGGAG
798 TTATGTGCTCATCTAIGTAATAATGTACACATTTGTGAAATGCTATTATTAAAGAA
757 GTGAGGGTTAAT.....
1030 CTGTGATTGCAgTAAATTACTGTGTGTGTAATCCTCAgTGTGGCACCTTACCCTGTAAATGCTG
829
1061 TGTGTAAATACTACGCAAGGAGACCTGTAAAACTGTAAATACCCGTGTATAGAAAGTG
433
1023 GACCAGCAGGTGTGAAGTCTGAGCATGACCCGGCTCATGACCTATTTCTGGGAGATGAA
858 AGCACACCATGGAAATTACAAAAA.....
769
1090 AgCAAAACCTTTTAAATTATTTTCTAgAgGTGTGTgTACATTTGCCITGTITCTCTTGCATGT
829
1121 TACATGATCTTCTCTATTTGTAAACCTGCCACCTTGTACATTTCCGACGGCTCTTCCCTTTT
433
1083 ATATGAAGTTCAAAACACCAGTTTAgTTAGTCCCTAGAAATTGTGTCTAGTGTCTTGTCTTA
882
769
1150 gAAATTTTtTTTtGTaCACGGTTGATtGTCTTGAaTCAIAAAATATTCTATATTGgAgTAgAA
829
1181 TATATATATATATATAATATATATTATATGTAGAGTTTACGCTCTAGTATGCTGTG

phdtk - 3
pcdtk - 3
pmdtk - 2
phdtk - 2
pmdtk - 1
phdtk - 1
pRNdtk - 1

phdtk - 3
pcdtk - 3
pmdtk - 2
phdtk - 2
pmdtk - 1
phdtk - 1
pRNdtk - 1

phdtk - 3
pcdtk - 3
pmdtk - 2
phdtk - 2
pmdtk - 1
phdtk - 1
pRNdtk - 1

Fig. 2-7



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433	phdtk -3
1143	CATACACCCCTTAACAGATACCTGCTGGATAGAGTGCATTAACATCTTCAATTGAGCATCC	pcdtk -3
882	.....	pmdtk -2
769	.....	phdtk -2
1210	AAAAAAAAAAAAAAAA	pmdtk -1
829	.....	phdtk -1
1241	TATTTTAAATTGAAATGAACATTTCTAAACCTTAAACCAAAAAAAAAAAAAAAAA	pRNdtk -1
433	.....	phdtk -3
1203	GTTTTCGAGCACCACCTGCAATGTTCACAAATTCATGTGAAATTCACATCAATCTTTGGACCC	pcdtk -3
882	.....	pmdtk -2
769	.....	phdtk -2
1227	.....	pmdtk -1
829	.....	phdtk -1
1298	.....	pRNdtk -1
433	.....	phdtk -3
1263	AAACTTTCCATCAAGACACAAATGAGAAAGGCAACAGTGTTTCCTTTGGATTAATCCTTTC	pcdtk -3
882	.....	pmdtk -2
769	.....	phdtk -2
1227	.....	pmdtk -1
829	.....	phdtk -1
1298	.....	pRNdtk -1

Fig. 2-8



433	.....	phdtk - 3
1323	CTTTGTACAGCAGAAATAAACGTATCAGTACTCGTACTCATTAAAAAACACACGAGCA	pcdkk - 3
882	pmdkk - 2
769	phdtk - 2
1227	pmdkk - 1
829	phdtk - 1
1298	pRNdkk - 1

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433	phdtk - 3
1303	T	pcdkk - 3
882	pmdkk - 2
769	phdtk - 2
1227	pmdkk - 1
829	phdtk - 1
1298	pRNdkk - 1

Fig. 2-9



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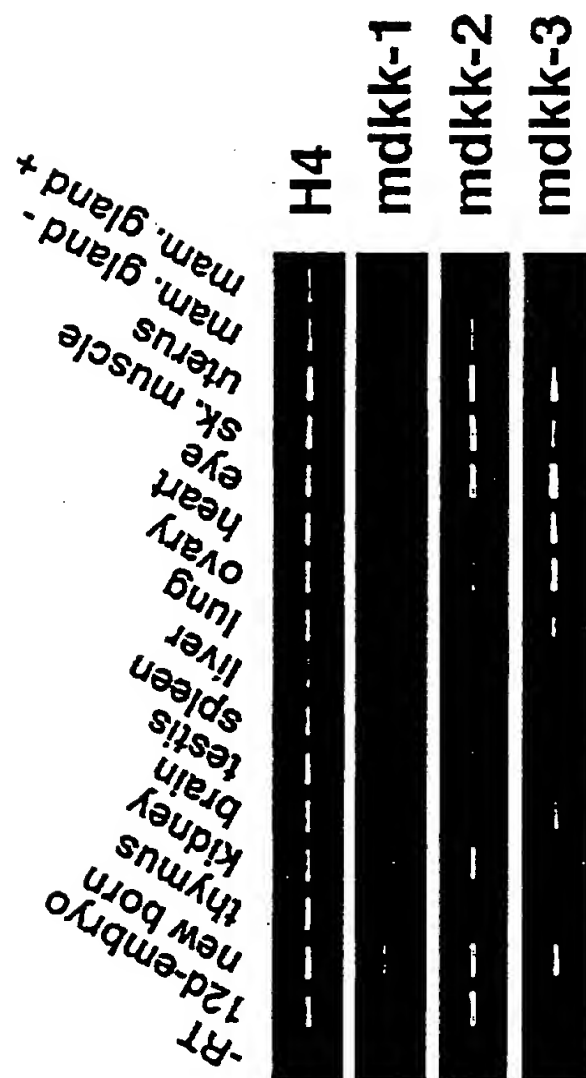


Fig. 3